

# Rahul Ajaykumar Madhawani

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## EDUCATION

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**Vishwakarma Institute of Technology , Pune | 2022-2026**

B.Tech in Computer Engineering(CGPA: 8.33, till 6<sup>th</sup> Semester)

**Late Jyoti Janolkar College , Akola | 2022**

HSC (Score: 81.8%)

**Noel School , Akola | 2020**

SSC (Score: 85.4%)

## EXPERIENCE

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**Passion Infotech Pvt Ltd | Industry Project**

- **Project:** Impact Analysis of Funded Incubatees
- **Overview:** Engineered an automated verification system to track the professional activity of government-funded entrepreneurs.
- **Contributions:**
  - Executed a Python web scraper using BeautifulSoup to gather digital footprints from LinkedIn and search engines.
  - Utilized NLP to analyze and cross-reference data against funding claims, significantly reducing manual verification efforts and enhancing accountability.
- **Technologies Used:** React.js, Node.js, Express.js, Python, Web Scraping (BeautifulSoup), NLP, Report Generation.

## PROJECTS

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- **NarratorApp - Real-Time Environment Narrator for the Visually Impaired**
  - **Tools & Technologies:** Kotlin, Android, CameraX, TensorFlow Lite, Google ML Kit (OCR), Text-to-Speech.
  - **Overview:** Designed and developed an Android application to assist visually impaired users by providing real-time audible narration of their surroundings. Leveraged on-device machine learning with TensorFlow Lite to perform real-time object detection and integrated Google's ML Kit for text recognition. The application processes visual data to generate contextual descriptions and speaks them aloud, enhancing user mobility and awareness.
- **SmartLedger – Voice-Driven Account and Billing Assistant:**
  - **Tools & Technologies:** React-native , Appwrite , Speech-to-Text, Whisper.
  - **Overview :** Developed a voice-driven inventory and billing management system for small retailers. It enables users to generate bills and manage stock using spoken commands or manual entry, ensuring flexibility and ease of use. The system is secured with JWT-based authentication and supports voice training, multilingual input, and offers a real-time, user-friendly interface for seamless operations.
- **Resume Screening Application:**
  - **Tools & Technologies:** React.js, Node.js, Express.js , MySQL, NLP .
  - **Overview:** Engineered a full-stack recruitment platform using React and Node.js to connect recruiters with job seekers. Implemented a core feature using NLP to automatically parse resumes, extracting key skills and qualifications. Designed an algorithm to score and rank candidates based on their match to a job description, automating the initial screening process and improving hiring efficiency.

## TECHNICAL SKILLS

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- **Languages:** C++, Python, JavaScript, C, SQL
- **Full-Stack:** HTML , CSS , React.js, React Native, Node.js, Express.js, MongoDB, MySQL
- **Tools & Concepts:** Git, GitHub, REST APIs, NLP
- **CS Fundamentals:** Object-Oriented Programming(OOPs), Operating Systems, Computer Networks, Linux (Basic)

## CERTIFICATIONS

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- Nvidia – Fundamentals of Deep Learning
- LinkedIn Learning - Large Language Models Skill Development
- LinkedIn Learning - Natural Language Processing Skill Development